

Substitute Form 1449B/PTO			Complete if Known		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)			Application Number	10/541,013	
			Filing Date	June 28, 2005	
			First Named Inventor	Eric Henderson	
			Group Art Unit	1641	
			Examiner Name	Unknown	
Sheet	1	of	28	Attorney Docket Number	016348-9048-US00

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RE		"Microbeam Mass Spectrometry" Chemical Science and Technology Laboratory, Surface and Microanalysis Science Division http://www.cstl.nist.gov/div837/Divisoin/expertise/ions/masspec1.htm 7/18/2002.
		Abstracts of Papers Part I, 214 th "Abstract 027" ACS National Meeting American Chemical Society, September 1997, 2 pgs.
		ALLISON, D., <i>et al.</i> , "Direct atomic force microscopy imaging of <i>EcoRI</i> endonuclease site specifically bound to plasmid DNA molecules" <i>PNAS USA</i> , 1996, 93:8826-8829.
		ALLISON, D., <i>et al.</i> , "Mapping Individual Cosmid DNAs by Direct AFM Imaging" <i>Genomics</i> , 1997, 41:379-384.
		ALVES, <i>et al.</i> , "Atomic scale imaging of alkanethiolate monolayers at gold surfaces with atomic force microscopy" <i>J. Am. Chem. Soc.</i> , February 1992, 114(4):1222-1227.
		AMRO, <i>et al.</i> , "Patterning surfaces using tip-directed displacement and self-assembly" <i>Langmuir</i> , 2000, 16:3006-3009.
		ANWANDER, <i>et al.</i> , "Surface characterization and functionalization of MCM-41 silicas via silazane silylation" <i>J. Phys. Chem. B.</i> , 2000, 104:3532-3544.
		ARNTZ, <i>et al.</i> , "Label-free protein assay based on a nanomechanical cantilever array" <i>Nanotechnology</i> , 14 (2003) 86-90.
		AUSUBEL, F.M., <i>et al.</i> "Current Protocols in Molecular Biology" 1993 ed. Vol. 1&2, 1993, Green Publishing Associates and Wiley-Interscience.

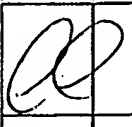


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		BAILEY, C.P., <i>et al.</i> , Cationic oligonucleotides can mediate specific inhibition of gene expression in <i>Xenopus</i> oocytes" <i>Nuc. Acids Res.</i> , 1998, 26(21):4860-4867.
		BAIN, <i>et al.</i> , "Modeling organic surfaces with self-assembled monolayers" <i>Agnew. Chem. Int. Ed. Engl.</i> , 1989, 28(4):506-512.
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		BEDOUELLE, H., "Reagentless fluorescent Immunosensors" <i>Antibody Engineering</i> , IBC's 13 th International Conference, December 2, 2002.
		BELAUBRE, P. <i>et al.</i> , "Fabrication of biological microarrays using microcantilevers" <i>Applied Physics Letters</i> , 5 May 2003, 82(18):3122-3124.
		BENSIMON, A., <i>et al.</i> , "Alignment and sensitive detection of DNA by a moving interface" <i>Science</i> , 1994, Sep 30; 265(5181):2096-2098 [PMID 7522347] Abstract.
		BERGGREN, <i>et al.</i> , "Microlithography by using neutral metastable atoms and self-assembled monolayers" <i>Science</i> , September 1995, 269(5228):1255-1257.
		BERNARD, <i>et al.</i> "Printing patterns of proteins" <i>Langmuir The ACS Journal of Surfaces and Colloid</i> , April 1998, 14(9):2225-2229.
		BINGGELI, <i>et al.</i> , "Influence of capillary condensation of water on nanotribology studied by force microscopy" <i>Appl. Phys. Lett.</i> , July 1994, 65(4):415-417.

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		BINNING, <i>et al.</i> , "Surface studies by scanning tunneling microscopy" <i>Phys. Rev. Lett.</i> , 1982, 49(1):57-61.
		BINNING, G., <i>et al.</i> , "Atomic force microscope" <i>Phys. Rev. Lett.</i> , 1986, 56(9):930-933.
		BISHOP, <i>et al.</i> , "Self-assembled monolayers: recent developments and applications" <i>Colloid & Interface Science</i> , February 1996, 1:127-136.
		BOTTOMLEY, L., "Scanning probe microscopy" <i>Anal. Chem.</i> , June 1998, 70(12):425R-475R.
		BRANDOW, S., <i>et al.</i> , "Metal pattern fabrication using the local electric field of conducting atomic force microscope probe" <i>J. Vac. Sci. Technol.</i> , May/June 1997, 15(3):1455-1459.
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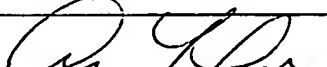
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ER	BUSCH, K.L., "Desorption Ionization Mass Spectrometry," <i>J. Mass Spectrometry</i> (1995) 30:233-240
	BUSTAMANTE C., <i>et al.</i> , "Circular DNA Molecules Imaged in Air by Scanning Force Microscopy" <i>Biochemistry</i> , 1992, 31:22-26
	BUSTAMANTE, C., <i>et al.</i> , "Biochemical and structural applications of scanning force microscopy" <i>Curr. Opin. Struct. Biol.</i> , 1994 4(5):750-760.
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	COLAS, <i>et al.</i> , "Genetic selection of peptide aptamers that recognize an inhibit cyclin-dependent kinase 2", <i>Nature</i> , April 1996 380(11):548-550.
✓	COLLINS, <i>et al.</i> , "Engineering Carbon Nanotubes and Nanotube Circuits Using Electrical Breakdown" <i>Science</i> , April 2001, 292(5517):706-799.

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		COLLINS, <i>et al.</i> , "Nanotube Device" <i>Science</i> , 3 October 1997, 278:100-103.
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		DAMMER, <i>et al.</i> , "Binding strength between cell adhesion proteoglycans measured by atomic force microscopy" <i>Science</i> , 1995, 267:1173-1175.
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	DING, Y., RUGGERO, M. <i>et al.</i> , "Development of UHV-STM/TOF hybrid mass analyzer system for nano-characterization of metal silicide surfaces" 198th Meeting of the Electrochemical Society, Phoenix, Arizona (2000).
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	FAN, S., <i>et al.</i> , "Self-oriented regular arrays of carbon nanotubes and their functional devices" <i>Science</i> , 1999, 283, 512.

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	FANG, <i>et al.</i> , "Membrane Protein Microarrays" <i>JACS</i> , 2002, 124(11):2394-2395.
	FARAJIAN, A.A., <i>et al.</i> , "Nonlinear Coherent Transport Through Doped Nanotube Junctions" <i>Physical Review</i> , June 21, 1999, 82(25):5084-5087.
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		GRABAR, <i>et al.</i> , "Preparation and characterization of Au colloid monolayers" <i>Anal. Chem.</i> , 1995, 67(4):735-743.
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		HENDERSON, E., "Atomic force microscopy of conventional and unconventional nucleic acid structures" <i>Journal of Microscopy</i> , 1992, 77-84.
		HENDERSON, E., "Imaging and nanodissection of individual supercoiled plasmids by atomic force microscopy" <i>Nuc. Acids Res.</i> , 1992, 20(3):445-447.

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				Application Number	10/541,013
				Filing Date	June 28, 2005
				First Named Inventor	Eric Henderson
				Group Art Unit	1641
				Examiner Name	Unknown
Sheet	10	of	28	Attorney Docket Number	016348-9048-US00

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

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		HENDERSON, E., "Imaging of Living Cells by Atomic Force Microscopy" <i>Progress in Surface Science</i> , May 1994, 46(1):39-60.
		HENDERSON, E., "Molecular force detection and spectroscopy with the atomic force microscope" <i>Science Progress</i> , 1998, 81(2):141-151.
		HENDERSON, E., <i>et al.</i> , "Actin Filament Dynamics in Living Glial Cells Imaged by Atomic Force Microscopy" <i>Science</i> , 1992, 257:1944-1946.
		HENDERSON, E., <i>et al.</i> , "New Ribosome Structure" <i>Science</i> , 1984, 255:510-512.
		HENDERSON, E., <i>et al.</i> , "Telomeric DNA oligonucleotides form novel intramolecular structures containing guanine-guanine base pairs" <i>Cell</i> , 1987, 51(6):899-908.
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		HOH, J.H., and HANSMA, P.K., "Atomic force microscopy for high resolution imaging in cell biology" <i>Trends in Cell Biology</i> , 1992, 2:208-213.



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		HOH, J.H., <i>et al.</i> , "Atomic force microscopy and dissection of gap junctions" <i>Science</i> , 1991, 1405-1408.
		HOH, J.H., <i>et al.</i> , "Quantized adhesion detected with the atomic force microscope" <i>J. Am. Chem. Soc.</i> , 1992, 114:4917-4918.
		HOLLAND, Vacuum Deposition Of Thin Films (Wiley, New York, NY, 1956)
		HONG, <i>et al.</i> , "A new tool for studying the in situ growth processes for self-assembled monolayers under ambient conditions" <i>Langmuir</i> , 1999, 15:7879-7900.
		HONG, <i>et al.</i> , "Multiple ink nanolithography: toward a multiple-pen nano-plotter" <i>Science</i> , 1999, 286:523-525.
		HONG, S. <i>et al.</i> "A Nanoplotter with Both Parallel and Serial Writing Capabilities" <i>Science</i> , June 9, 2000, 288:1808-1811.
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		HOVIS, <i>et al.</i> , "Structure and bonding of ordered organic monolayers of 1,5-cyclooctadiene on the silicon (001) Surface" <i>J. Phys. Chem. B.</i> , 1997, 101: 9581-9585.
		HU, <i>et al.</i> , "Imaging the condensation and evaporation of molecularly thin films of water with nanometer resolution" <i>Science</i> , 1995, 268(5208):267-269.










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		HUCK, <i>et al.</i> , "Patterned polymer multilayers as etch resists" <i>Langmuir</i> , 1999, 15:6862-6867.
		IVANISEVIC, <i>et al.</i> , "Dip-Pen Nanolithography on Semiconductor Surfaces" <i>J. Am. Chem. Soc.</i> , 2001, 123:7887-7889.
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		JACKMAN, <i>et al.</i> , "Fabrication of submicrometer features on curved substrates by microcontact printing" <i>Science</i> , 1995, 269: 664-666.
		JAMES, <i>et al.</i> , "Patterned protein layers on solid substrates by thin stamp microcontact printing" <i>Langmuir</i> , 1998, 14:741-744.
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	KARPOVICH, <i>et al.</i> , "Direct measurement of the adsorption kinetics of alkanethiolate self-assembled monolayers on microcrystalline gold surface" <i>Langmuir</i> , 1994, 10:3315-3322.
	KIM, <i>et al.</i> , "Nanotube nanotweezers" <i>Science</i> , 10 December 1999, 286:2148-2150.
	KNEZEVIC <i>et al.</i> , "Proteomic profiling of the cancer microenvironment by antibody arrays" <i>Proteomics</i> , 2001, 1:1271-1278.
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	KONG, <i>et al.</i> , "Nanotube Molecular Wires as Chemical Sensors" <i>Science</i> , 28 January 2000, 287:622-625.
	KUMAR, <i>et al.</i> , "The use of self-assembled monolayers and a selective etch to generate patterned gold features" <i>J. Am. Chem. Soc.</i> , 1992, 114:9188-9189.
	LAHIRI, <i>et al.</i> , "Patterning ligands on reactive SAMs by microcontact printing" <i>Langmuir</i> , 1999, 15:2055-2060.
	LAIBINIS <i>et al.</i> , "a-terminated alkanethiolate monolayers on surfaces of copper, silver, and gold have similar wettabilities" <i>J. Am. Chem. Soc.</i> , 1992, 114: 1990-1995.

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	LAL, R. and JOHN, S.A., "Biological applications of atomic force microscopy" <i>Am J. Physiology</i> , 1994, 266(1):1-21.
	LANIO, T., <i>et al.</i> , "PCR-based random mutagenesis method using spiked oligonucleotides to randomize selected parts of gene without any wild-type background" <i>Biotechniques</i> , 1998, 25(6):958-965.
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	LERCEL, <i>et al.</i> "Self-assembled monolayer electron-beam resists on GaAs and SiO ₂ " <i>J. Vac. Sci. Technol. B.</i> , 1993, 11(6): 2823-2828.
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	LIU, <i>et al.</i> , "Nanofabrication of self-assembled monolayers using scanning probe lithography" <i>Acc. Chem. Res.</i> , 2000, 33(7):457-466.
	LO, <i>et al.</i> , "Organic and inorganic contamination on commercial AFM cantilevers" <i>Langmuir</i> , 1999, 15:6522-6526.

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	LÜTHI, <i>et al.</i> , "Parallel nanodevice fabrication using a combination of shadow mask and scanning probe methods: <i>Applied Physics Letters</i> , 1999, 75(9):1314-1316.
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	MALMBORG, <i>et al.</i> , "Real Time Analysis of Antibody-Antigen Reaction Kinetics", <i>Scand. J. Immunol.</i> , 1992, 35:634-650.
	MARSH, T.C., <i>et al.</i> , "A new DNA nanosctructure imaged by scanning probe microscopy" <i>Nuc. Acids Res.</i> 1995, 23(4):696-700.

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		MARSH, T.C., <i>et al.</i> , "G-wires: Self-assembly of a telomeric oligonucleotide, d(GGGGTTGGGG), into large superstructures" <i>Biochemistry</i> 1994, 33:10718-10724.
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		MAZZOLA, L., "Discrimination of DNA hybridization using chemical force microscopy" <i>Biophysical Journal</i> , 1999, 76:2922-2933.
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	MINNE, <i>et al.</i> , "Centimeter scale atomic force microscope imaging and lithography" <i>Applied Physics Letters</i> , 1998, 73(12):1742-1744.
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	MOY, V.T., <i>et al.</i> , "Probing the forces between complimentary strands of DNA with the atomic force microscope" <i>SPIE</i> , 1995, 2384:2-12.
	MUELLER, <i>et al.</i> , "Atomic force microscopy deposition of poly-l-lysine structures onto lipid bilayers supported by mica" <i>Langmuir</i> , 2000, 16:9568-9570.
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	MURRAY, <i>et al.</i> , "Atomic force microscopy of biochemically tagged DNA" <i>Proc., Natl., Acad. Sci.</i> , 1993, 90:3811-3814.
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				Application Number	10/541,013
				Filing Date	June 28, 2005
				First Named Inventor	Eric Henderson
				Group Art Unit	1641
				Examiner Name	Unknown
Sheet	19	of	28	Attorney Docket Number	016348-9048-US00

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS		
Examiner Initials		Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, pages(s), volume-issue numbers(s), publisher, city and/or country where published.
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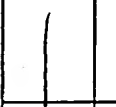
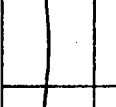
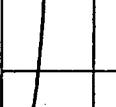
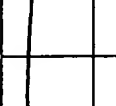
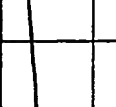
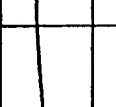
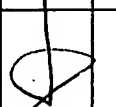
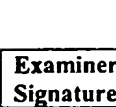
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				Filing Date	June 28, 2005
				First Named Inventor	Eric Henderson
				Group Art Unit	1641
				Examiner Name	Unknown
Sheet	20	of	28	Attorney Docket Number	016348-9048-US00

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	RANKIN, P.C. WILSON, A.T. "The Surface Chemistry of the Mica-Aluminum-Sulfate System" <i>Journal of Colloid and Interface Science</i> , (1969) 30(3):277-282.
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				First Named Inventor	Eric Henderson
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	SCHENA, <i>et al.</i> , "Parallel human genome analysis : Microarray-based expression monitoring of 1000 genes" <i>PNAS USA</i> , 1996, 93:10614-10619.
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				First Named Inventor	Eric Henderson
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Sheet	22	of	28	Attorney Docket Number	016348-9048-US00

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	SHEEHAN, <i>et al.</i> , "Thiol diffusion and the role of humidity in "dip pen" nanolithography" <i>Physical Review Letters</i> , 15 April 2002, 88(15):156104-1-156104-4.
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				Application Number	10/541,013
				Filing Date	June 28, 2005
				First Named Inventor	Eric Henderson
				Group Art Unit	1641
				Examiner Name	Unknown
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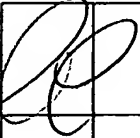

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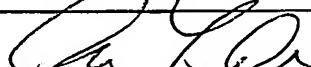
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Sheet	24	of	28	Attorney Docket Number	016348-9048-US00

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	TSUKAMOTO, <i>et al.</i> "Twin-probe scanning tunneling microscope" <i>Rev. Sci. Instrum.</i> , July 1991, 62(7):767-1771.
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	ULMAN, Abraham, "Formation and structure of self-assembled monolayers" <i>Chem. Rev.</i> , 1996, 96:1533-1554.
	ULMAN, An Introduction To Ultrathin Organic Films: From Langmuir-Blodgett to Self-Assembly (Academic, Boston 1991) (Alkanethiols on gold).

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		VESENKA, J. <i>et al.</i> , "A substrate preparation for reliable imaging of DNA molecules with the scanning force microscope" <i>Ultramicroscopy</i> , 1992, 42-44:1243-1249.
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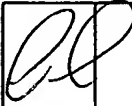

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				Application Number	10/541,013
				Filing Date	June 28, 2005
				First Named Inventor	Eric Henderson
				Group Art Unit	1641
				Examiner Name	Unknown
Sheet	26	of	28	Attorney Docket Number	016348-9048-US00

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS		
Examiner Initials		Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, pages(s), volume-issue numbers(s), publisher, city and/or country where published.
		WANG, <i>et al.</i> , "Nanometer scale patterning and pattern transfer on amorphous Si, crystalline Si, and SiO ₂ surfaces using self-assembled monolayers" <i>Appl. Phys. Lett.</i> , 1997, 70(12):1593-1595.
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		WHITESIDES, <i>et al.</i> , "Self-assembled monolayers and lithography" <i>Nanophase Chemistry</i> 1995, 39: 109-122.
		WILBUR, <i>et al.</i> , "Scanning force microscopes can image patterned self-assembled monolayers" <i>Langmuir</i> , 1995, 11:825-831.
		WILLIAMSON, <i>et al.</i> , "G-quartets in biology: Reprise" <i>PNAS USA</i> , 15 April 1993, 90(8):3124-3124.
		WILLIAMSON, <i>et al.</i> , "Monovalent cation-induced structure of telomeric DNA: The G-quartet model" <i>Cell</i> , 1989, 59(5):871-880.
		WILSON, <i>et al.</i> , "Surface organization and nanopatterning of collagen by dip-pen nanolithography" <i>PNAS</i> , November 20, 2001, 98(24):13660-13664.
		WONG, S., <i>et al.</i> , "Covalently functionalized nanotubes as nanometre-sized probes in chemistry and biolog" <i>Nature</i> , 1998, 394:52-55.
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			First Named Inventor	Eric Henderson	
			Group Art Unit	1641	
			Examiner Name	Unknown	
Sheet	27	of	28	Attorney Docket Number	016348-9048-US00

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

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	WONG, S., <i>et al.</i> , "Functionalization of carbon nanotube AFM probes using tip-activated gases" <i>Chem Physics Letters</i> , 1999, 306:219-225.
	XIA, <i>et al.</i> , "A selective etching solution for use with patterned self-assembled monolayers of alkanethiolates on gold" <i>Chem. Mater.</i> , 1995, 7:2332-2337.
	XIA, <i>et al.</i> , "Complex optical surfaces formed by replica molding against elastomeric masters" <i>Science</i> , 1996, 273: 347-349.
	XIA, <i>et al.</i> , "Pattern transfer: self-assembled monolayers as ultrathin resists" <i>Microelectronic Engineering</i> , 1996, 32:255-268.
	XIA, <i>et al.</i> , "Soft lithography" <i>Agnew Chem. Int. Ed.</i> , 1998, 37:551-575.
	XIA, <i>et al.</i> , "Unconventional methods for fabricating and patterning nanostructures" <i>Chem. Rev.</i> , 1999, 99:1823-1848.
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	XU, <i>et al.</i> , "Nanometer-scale fabrication by simultaneous nanoshaving and molecular self-assembly" <i>Langmuir</i> , 1997, 13:127-129.
	XU, <i>et al.</i> , "Wetting and capillary phenomena of water on mica" <i>J. Phys. Chem. B.</i> , 1998, 102:540-548.

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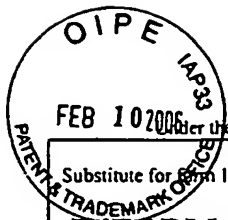
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		YAN, <i>et al.</i> "Patterning a performed, reactive SAM using microcontact printing" <i>J. Am. Chem. Soc.</i> , 1998, 120:6179-6180.
		YAN, <i>et al.</i> , "Patterning thin films of poly(ethylene imine) on a reactive SAM using microcontact printing" <i>Langmuir</i> , 1999, 15:1208-1214.
		YING, <i>et al.</i> , "Programmable Delivery of DNA through a Nanopipet" <i>Anal. Chem.</i> , 2002, 74:1380-1385.
		YOUIL, R., "Screening for mutations by enzyme mismatch cleavage with T4 endonuclease VII <i>PNAS USA</i> , 1995, 92(1):87-91.
		ZHONG, Q., <i>et al.</i> , "Fractured polymer/silica fiber surface studied by tapping mode atomic force microscopy" <i>Surf. Sci. Lett.</i> , January 3, 1993, 290: L 688-L692.
		ZHU, <i>et al.</i> , "Analysis of yeast protein kinases using protein chips" <i>Nature Genetics</i> , 2000, 26:283-289.
		ZHU, <i>et al.</i> , "Global Analysis of Protein Activities Using Proteome Chips" <i>Science</i> , September 2001, 293(14):2101-2105.

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Sheet	1	of	7	Attorney Docket Number	016348-9048-US00

U.S. PATENT DOCUMENTS				
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RE		4,728,591	Clark et al.	3/1/1988
		5,106,729	Lindsay et al.	4/21/1992
		5,138,174	Tang	8/11/1992
		5,143,854	Pirrung et al.	9/1/1992
		5,150,392	Hohn et al.	9/22/1992
		5,304,487	Wilding et al.	4/19/1994
		5,314,829	Coles	5/24/1994
		5,346,683	Green et al.	9/13/1994
		5,363,697	Nakagawa	11/15/1994
		5,372,930	Colton et al.	12/13/1994
		5,384,261	Winkler et al.	1/24/1995
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		5,443,791	Cathcart et al.	8/22/1995
		5,445,934	Fodor et al.	8/29/1995
		5,445,971	Rohr, T.	8/29/1995
		5,453,970	Rust et al.	9/26/1995
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		5,482,601	Ohshima, et al.	1/9/1996
		5,514,540	Teoule et al.	5/7/1996
		5,514,550	Findlay et al.	5/7/1996
✓		5,519,212	Elings et al.	5/21/1996

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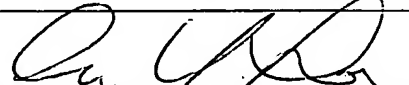
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ae		5,532,128	Eggers et al.	7/2/1996
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		5,846,724	Bensimon et al.	12/8/1998
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		5,866,328	Bensimon et al.	2/2/1999
		5,866,434	Massey et al.	2/2/1999


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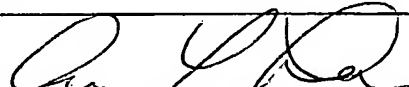
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				Group/Art Unit	1641
				Examiner Name	Unknown
Sheet	3	of	7	Attorney Docket Number	016348-9048-US00

U.S. PATENT DOCUMENTS				
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		5,874,219	Rava et al.	2/23/1999
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		5,965,133	Cantor et al.	10/12/1999
		5,981,733	Gamble et al.	11/9/1999
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U.S. PATENT DOCUMENTS				
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[Handwritten Initials]		6,203,814 B1	Fisher et al.	3/20/2001
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Examiner Initials	Country Code	Foreign Patent Document Number	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document	Translation	English Abstract
Patent 95		8094646	SHIMADZU CORP	4/12/1996		
Patent 95		7027771	HITACHI LTD.	1/31/1995		
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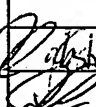

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	WO	92/15709	ABBOTT LABORATORIE	9/17/1992		
	WO	96/31775	OSCARSSON	10/10/1996		
	WO	97/06420	BENSIMON	2/2/1997		
	WO	97/18326	PASTEUR INSTITUTE	5/22/1997		
	WO	98/05920	WILLIAM MARSH RICE UNIVERSITY (COLBERT)	2/12/1998		
	WO	98/18959	PASTEUR INSTITUTE	5/7/1998		
	WO	99/31267	SEPRACOR INC.	6/24/1999		
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	WO	00/04382	ZYOMYX, INC.	1/27/2000		
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	WO	00/41213	NORTHWESTERN UNIVERSITY	7/13/2000		
	WO	00/46406	ALPHAGENE, INC.	8/10/2000		
	WO	01/60316	OSCARSSON, SVEN	8/23/2001		
WO	01/918555	NORTHWESTERN UNIVERSITY	12/6/2001			
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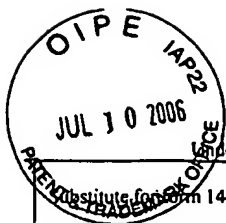
Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known	
				Application Number	10/541,013
				Filing Date	June 28, 2005
				First Named Inventor	Eric Henderson
				Group Art Unit	1641
Examiner Name	Unknown				
Sheet	7	of	7	Attorney Docket Number	016348-9048-US00

U.S. PATENT DOCUMENTS						
Examiner Initials		U.S. Patent Document Number	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document		
FOREIGN PATENT DOCUMENTS						
Examiner Initials	Country Code	Foreign Patent Document Number	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document	Translation	English Abstract
RL	WO	03/036767	UNIVERSITY OF ILLINOIS	5/1/2003		
I	WO	03/038033	NORTHWESTERN UNIVERSITY	5/8/2003		
I	WO	03/048314	MIRKIN	6/12/2003		
I	WO	03/052514	NORTHWESTERN UNIVERSITY	6/26/2003		

Examiner Signature		Date Considered	12/10/06
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				Application Number	10/541,013
				Filing Date	June 28, 2005
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				Group Art Unit	1641
				Examiner Name	Unknown <i>Law</i>
				Attorney Docket Number	016348-9048-US00
Sheet	1	of	1		

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS		
Examiner Initials		Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, pages(s), volume-issue numbers(s), publisher, city and/or country where published.
<i>EP</i>		"FluoSpheres Fluorescent Microspheres -- Product Information," Molecular Probes, Invitrogen Detection Technologies (2005) retrieved from the Internet: http://probes.invitrogen.com/media/pis/mp05000.pdf (XP-002378381)
<i>EP</i>		HOWLAND, R. et al., "A Practical Guide to Scanning Probe Microscopy," Thermomicroscopes (2002) retrieved from Internet: http://web.mit.edu/cortiz/www/AFMGallery/PracticalGuide.pdf (XP-002377197)
<i>EP</i>		LI, S. et al., "Regression of tumors by IFN- α electroporation gene therapy and analysis of the responsible genes by cDNA array," Gene Therapy (2002) 9:390-397
<i>EP</i>		MCKENDRY, R. et al., "Multiple label-free biodetection and quantitative DNA-binding assays on a nanomechanical cantilever array," PNAS (2002) 99(15):9783-9788
<i>EP</i>		NISHIDA, S. et al., "Combination of AFM with an objective-type total internal reflection fluorescence microscope (TIRFM) for nanomanipulation of single cells," Ultramicroscopy (2002) 91:269-274
<i>EP</i>		OAK RIDGE NATIONAL LABORATORY, "Finding New Uses for Carbon Nanofibers," ORNL Review (2002) 35(3), retrieved from the Internet: http://www.ornl.gov/info/ornlreview/v35_3_02/improving.shtml (XP-002377196)
<i>EP</i>		PEREIRA, R., "Atomic force microscopy as a novel pharmacological tool," Biochem. Pharma (2001) 62:975-983
<i>EP</i>		VO-DINH, T. et al., "Antibody-based nanoprobe for measurement of a fluorescent analyte in a single cell," Nature Biotech. (2000) 18:764-767
<i>EP</i>		WU, G. et al., "Origin of nanomechanical cantilever motion generated from biomolecular interactions," PNAS (2001) 98(4):1560-1564

Examiner Signature	<i>[Signature]</i>	Date Considered	12/10/06
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary) Sheet 1 of 1	Complete if Known	
	Application Number	10/541,013
	Filing Date	June 28, 2005
	First named Inventor	Eric Henderson
	Group Art Unit	1641
	Examiner name	Unknown <i>Cam</i>
Attorney Docket Number		016348-9048-US00
U.S. Patent Documents		

Examiner Initials	U.S. Patent Document Number	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document
<i>CE</i>	6,395,562	Hammock et al.	5/28/2002
<i>CE</i>	2001/044106	Henderson et al.	11/22/2001
<i>CE</i>	2002/164656	Hoeffler et al.	11/7/2002
<i>CE</i>	2003/0228695	Nakamura et al.	12/11/2003

FOREIGN PATENT DOCUMENTS						
Examiner Initials	Country Code	Foreign Patent Document Number	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document	Translation	English Abstract
<i>CE</i>	EP	1063287	Karube et al.	12/27/2000		
<i>CE</i>	WO	02/31183	Bioforce Laboratory, Inc.	4/18/2002		

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